

Title (en)

Light modulation device and image recognition method.

Title (de)

Lichtmodulationsvorrichtung und Bilderkennungsverfahren.

Title (fr)

Dispositif de modulation de la lumière et méthode de reconnaissance d'images.

Publication

EP 0519418 A2 19921223 (EN)

Application

EP 92110213 A 19920617

Priority

- JP 14466691 A 19910617
- JP 25502691 A 19911002

Abstract (en)

The specific features of an input image can be extracted quickly and accurately using a light modulation device comprising a first transparent electrode layer, a photoconductive layer, a conductive electrode, a light modulation layer, and a second transparent electrode layer formed together in the preceding order, and characterized by the light modulation characteristic of the light modulation layer being a non-linear saturation function of an applied electrical field, and the conductive electrode comprising plural electrode patterns. The light modulation layer modulates the read light when the input light exceeds a specific threshold value. By forming the electrode pattern of the conductive electrode in the shape of the pattern to be extracted, the features of the input image corresponding to that shape can be quickly extracted. <IMAGE>

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G02F 1/135; **G06E 3/00**; **G06K 9/58**

IPC 8 full level

G02F 1/1343 (2006.01); **G02F 1/135** (2006.01); **G06K 9/46** (2006.01); **G06K 9/58** (2006.01); **G06K 9/74** (2006.01); **G06N 3/067** (2006.01); **G06V 10/88** (2022.01); **G02F 1/141** (2006.01)

CPC (source: EP US)

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